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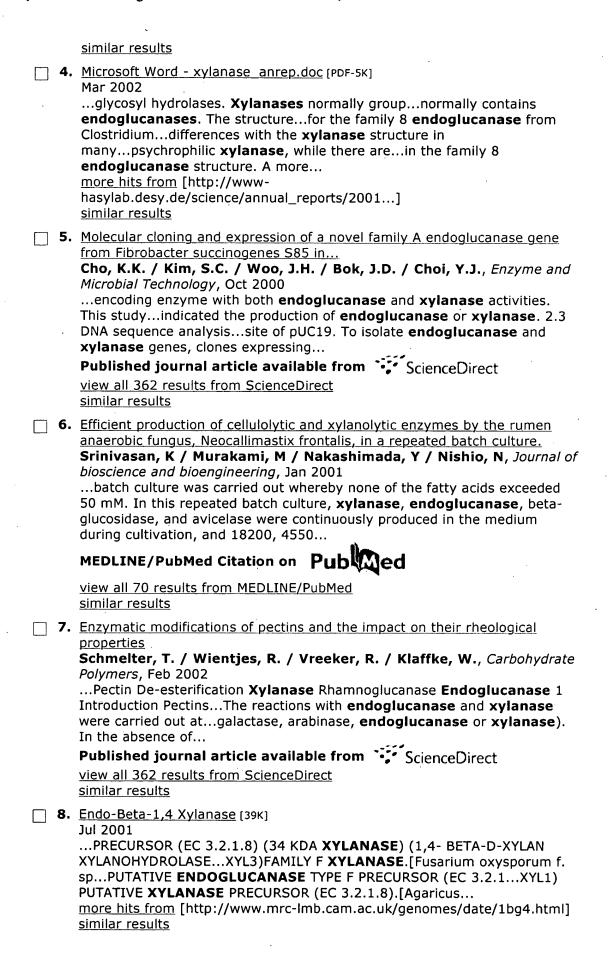
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L2	3877	1 and @py<"2002"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/11/08 09:14
L3	93	2 and endoglucanase	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/11/08 09:15
L4	65	3 and xylanase	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/11/08 09:24
L5	9	4 and feed additive	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/11/08 09:16



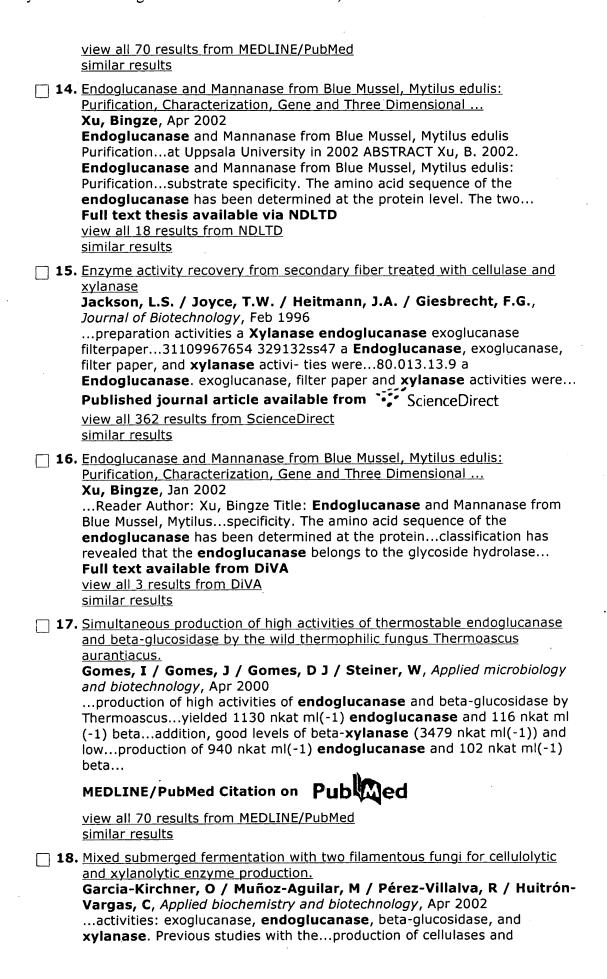
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9.	Localization of an endoglucanase and a xylanase from Aspergillus niger in soybean by immunogold-cytochemical labeling.  Varzakas, T / Pyle, D L / Niranjan, K, Annals of the New York Academy of Sciences, Oct 1996
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	extracellular culture fluid <b>endoglucanase</b> activities measuredpolysaccharides suggested that the <b>endoglucanases</b> induced by the insolublegrown on cellulose. <b>Endoglucanase</b> -encoding endB and endA(FS) genes, and <b>xylanase</b> -encoding xynC gene appeared
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...substrate were not depleted due to the perm-selectivity of the MD membrane (30 kDa cut-off). **Xylanase**, phenolic acid esterase and a combination of **endoglucanase** (EG II) with cellobiohydrolase (CBH I) resulted in the production of DP 1 after the addition...

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A Sachslehner, B Nidetzky, KD Kulbe, D Haltrich - Applied and Environmental Microbiology, 1998 - aem.asm.org

... Whereas enhanced **xylanase** and **endoglucanase** formation is strictly dependent on the presence of suitable inducers, increased levels of mannanase are excreted by ... Cited by 12 - Related Articles - Web Search - BL Direct

# <u>Production, purification, and properties of thermostable xylanase from Clostridium stercorarium. - group of 2 »</u>

JF Berenger, C Frixon, J Bigliardi, N Creuzet - Canadian Journal of Microbiology/Revue Canadienne de ..., 1985 - csa.com

... CHARACTERIZATION. The production of xylanase and endoglucanase in Clostridium stercorarium has been studied in different conditions. Activities ... Cited by 36 - Related Articles - Web Search

## <u>Production, Properties, and Application of Xylanase from Aspergillus niger A</u> 3 - group of 4 »

JMIN CAI, KE WU, JIE ZHANG, RENRUI PAN - Annals of the New York Academy of Sciences, 1998 - annalsonline.org

... culture was suspended in 0.2 M acetate buffer and left at 25 °C for 3 h. The suspension was filtered and assayed for **xylanase** and **endoglucanase** activities. ... Cited by 10 - Related Articles - Cached - Web Search

<u>Fibrobacter succinogenes S 85 has multiple xylanase genes - group of 2 »</u> LM Malburg Jr, DC Smith, HE Schellhorn, CW ... - Journal of applied bacteriology. Oxford, 1993 - csa.com

... XC30 xylanase, also exported in E. coli, was a 77 kDa protein which exhibited both xylanase and endoglucanase activities, and a low cellobiosidase activity. ... Cited by 15 - Related Articles - Web Search - BL Direct

**Xylanase** production by Trichoderma harzianum E58 - group of 3 » DJ Senior, PR Mayers, JN Saddler - Applied Microbiology and Biotechnology, 1989 - Springer

... Dramatic differences in the ratio of xylanase to endoglucanase activities were observed among cultures grown on cellulose-rich Solka Floc and xylan. ... Cited by 9 - Related Articles - Web Search

# Nucleotide sequence and deletion analysis of the xylanase gene (xynZ) of Clostridium thermocellum. - group of 5 »

O Grepinet, MC Chebrou, P Beguin - Journal of Bacteriology, 1988 - jb.asm.org ... the **Xylanase** Gene ... The nucleotide sequence of the xynZ gene, encoding the extracellular

xylanase Z of Clostridium thermocellum, was determined. ... Cited by 54 - Related Articles - Web Search

# Purification of Clostridium thermocellum xylanase Z expressed in Escherichia coli and identification ... - group of 4 »

O Grepinet, MC Chebrou, P Beguin - Journal of Bacteriology, 1988 - jb.asm.org ... displays endoglucanase, cellobiohydrolase, and glucohydrolase activity (6). Garcia-Martinez et al. (5) reported that C. thermocellum secretes xylanase activity ... Cited by 33 - Related Articles - Web Search

# Quantitative determination of wood-derived soluble oligosaccharides by HPLC - group of 3 »

J Buchert, M Siika-aho, M Bailey, J Puls, A ... - Biotechnology Techniques, 1993 - Springer ... was studied in samples obtained by hydrolyzing softwood kraft pulp partially with T. reesei xylanase, endoglucanase I and a mixture of mannanase and xylanase. ... Cited by 15 - Related Articles - Web Search - BL Direct

# Selective solubilization of xylan in pulp using a purified xylanase from Trichodermaharzianum - group of 2 »

DJ Senior, PP Mayers, D Miller, R Sutcliffe, L Tan ... - Biotechnology Letters, 1988 - Springer

... Xylanase and endoglucanase activities were determined for all enzyme preparations, using oat spelts xylan and carboxymethylcellulose, respectively, as ... Cited by 18 - Related Articles - Web Search

# **Xylanase** B and an arabinofuranosidase from Pseudomonas fluorescens subsp. cellulosa contain ... - group of 5 »

LE Kellett, DM Poole, LM Ferreira, AJ Durrant, GP ... - Biochem. J, 1990 - pubmedcentral.nih.gov

... is not necessary for catalytic activity or substrate binding in a **xylanase**. ... S.; Wilson, David B. Cloning of the Thermomonospora fusca **Endoglucanase** E2 Gene in ... Cited by 64 - Related Articles - <u>Cached</u> - <u>Web Search</u>

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